

# Hermetically-Sealed Single-Ended Beam

## Applications

- Platform and weighbridge scales
- Hopper and tank weighing
- Floor and barrel scales

## Features

- Hermetically-sealed
- High side load tolerance
- Easy installation
- Stainless steel construction

## Description

- HVC is a single-ended shear beam load cell designed for multiple cell applications such as low profile platform scales or small tank scales when used with proper mounting accessories. It is insensitive to side load and capable of reversed loading.
- HVC is constructed of stainless steel and is hermetically-sealed to IP67 levels providing excellent protection against corrosive and wash-down environments.
- HVC Interchangeable products:
  - Rice Lake Weighing Systems RL35082
  - Sentionics 65083S
  - Tedea-Huntleigh 2510-lbs

## Specifications

Standard Capacity	250kg, 500kg, 1000kg, 2000kg, 2500kg, 5000kg		
Recommended Excitation	10 V AC/DC	Compensated Temp. Range	-10°C to +40°C
Maximum Excitation	15 V AC/DC	Operating Temp. Range	-20°C to +60°C
Output at Rated Load	2 mV/V±0.25%	Zero Balance	±1%
Combined Error	0.03%	Input Resistance	385±5Ω
Non Repeatability	0.02%	Output Resistance	350±3Ω
Creep (20 minutes)	0.03%	Insulation Resistance(50VDC)	>5000 MΩ
Zero Return (20 minutes)	0.03%	Deflection at Rated Load	<1 mm
Temp. Effect/10°C on Span	0.015%	Safe Overload	150%
Temp. Effect/10°C on Zero	0.026%	Ultimate Overload	300%

**All Specifications Listed Subject To Change Without Notice**